

CLAIMS

1. In a system comprising a terminal, including a display and a network, the terminal using a browser to communicate with a network during a terminal session comprising communication operations initiated by a user and transmitted to the network, a method comprising:

initiating a terminal session with the browser by making a transmission to the network;

the network, in response to initiation of the terminal session, provides information from the network to the browser relating to the terminal session; and

displaying on the display a level of trust based upon a standard of comparison of the at least one communication operation prior to transmission to the network informing the user of a level of security determined to be associated with the at least one communication operation if the at least one communication operation is permitted by the user to be transmitted to the network.

2. A method in accordance with claim 1 wherein:

the terminal is a mobile terminal; and

the communication operations comprise wireless transmissions between the mobile terminal and an entity in the network.

3. A method in accordance with claim 1 comprising:

displaying a level of trust of each of the communication operations; and

wherein each level of trust is based at least in part upon technology in the network which is involved with the communication operation associated with the displayed level of trust.

4. A method in accordance with claim 2 wherein:
displaying a level of trust of each of the communication operations; and
wherein each level of trust is based at least in part upon technology in the network which is involved with the communication operation associated with the displayed level of trust.
5. A method in accordance with claim 1 wherein:
the network comprises a server which determines a level of trust of the communication operations; and
the level of trust determined by the server is transmitted to the terminal and displayed by the display thereof.
6. A method in accordance with claim 2 wherein:
the network comprises a server which determines a level of trust of the communication operations; and
the level of trust determined by the server is transmitted to the terminal and displayed by the display thereof.
7. A method in accordance with claim 3 wherein:
the network comprises a server which determines a level of trust of the communication operations; and
the level of trust determined by the server is transmitted to the terminal and displayed by the display thereof.

8. A method in accordance with claim 4 wherein:
the network comprises a server which determines a level of trust of the communication operations; and
the level of trust determined by the server is transmitted to the terminal and displayed by the display thereof.
9. A method in accordance with claim 1 wherein:
the mobile terminal comprises a processor; and
in response to each communication operation, the processor determines a level of trust which is displayed by the display.
10. A method in accordance with claim 2 wherein:
the mobile terminal comprises a processor; and
in response to each communication operation, the processor determines a level of trust which is displayed by the display.
11. A method in accordance with claim 3 wherein:
the mobile terminal comprises a processor; and
in response to each communication operation, the processor determines a level of trust which is displayed by the display.
12. A method in accordance with claim 4 wherein:
the mobile terminal comprises a processor; and
in response to each communication operation, the processor determines a level of trust which is displayed by the display.

13. A method in accordance with claim 1 wherein:
the network comprises a server and the terminal comprises a processor;
and
the server provides information about processing of the communication operations by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

14. A method in accordance with claim 2 wherein:
the network comprises a server and the terminal comprises a processor;
and
the server provides information about processing of the communication operations by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

15. A method in accordance with claim 3 wherein:
the network comprises a server and the terminal comprises a processor;
and
the server provides information about processing of the communication operations processing by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

16. A method in accordance with claim 4 wherein:
the network comprises a server and the terminal comprises a processor;
and
the server provides information about processing of the communication operations by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

17. A method in accordance with claim 5 wherein:
the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.
18. A method in accordance with claim 17 wherein:
the level of trust is also at least in part dependent upon at least one addition attribute the network used in processing the communication operation.
19. A method in accordance with claim 18 wherein:
the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.
20. A method in accordance with claim 6 wherein:
the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.
21. A method in accordance with claim 20 wherein:
the level of trust is also at least in part dependent upon at least one addition attribute the network used in processing the communication operation.
22. A method in accordance with claim 21 wherein:
the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or

commercial viability of an offer of service made to the user during the session through the browser.

23. A method in accordance with claim 7 wherein:

the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

24. A method in accordance with claim 23 wherein:

the level of trust is also at least in part dependent upon at least one addition attribute of the communication operation which is not related to technology of the network used in processing the communication operation.

25. A method in accordance with claim 24 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

26. A method in accordance with claim 8 wherein:

the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

27. A method in accordance with claim 26 wherein:

the level of trust is also at least in part dependent upon at least one addition attribute of the communication operation which is not related to technology of the network used in processing the communication operation.

28. A method in accordance with claim 27 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

29. A method in accordance with claim 13 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

30. A method in accordance with claim 29 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

31. A method in accordance with claim 30 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

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32. A method in accordance with claim 14 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

33. A method in accordance with claim 32 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

34. A method in accordance with claim 33 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

35. A method in accordance with claim 15 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

36. A method in accordance with claim 35 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

37. A method in accordance with claim 36 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

38. A method in accordance with claim 16 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

39. A method in accordance with claim 38 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

40. A method in accordance with claim 18 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

41. A method in accordance with claim 1 wherein:

the display of the level of trust is a graphic presentation.

42. A method in accordance with claim 1 wherein:

the display of the level of trust is a numerical value.

43. A system comprising:

a terminal including a display;

a network to which the terminal is coupled via a communication link; and

wherein

the terminal uses a browser to communicate with the network during a terminal session comprising communication operations initiated by the user and transmitted to the network with the terminal session being initiated with the browser by making a transmission to the network, the network, in response to initiation of the terminal session, provides information from the network to the browser relating to the terminal session, and the display displays a level of trust based upon a standard of comparison of at least one communication operation prior to transmission to the network informing the user of a level of security determined to be associated with the at least one communication operation if the at least one communication operation is permitted by the user to be transmitted to the network.

44. A system in accordance with claim 43 wherein:

the terminal is a mobile terminal; and

the communication operations comprise wireless transmissions between the mobile terminal and an entity in the network.

45. A system in accordance with claim 43 wherein:

a level of trust is displayed by the display of each of the communication operations; and

each level of trust is based at least in part upon technology in the network which is involved with the communication operation associated with the displayed level of trust.

46. A system in accordance with claim 44 wherein:
a level of trust is displayed by the display of each of the communication operations; and
each level of trust is based at least in part upon technology in the network which is involved with the communication operation associated with the displayed level of trust.

47. A system in accordance with claim 43 wherein:
the network comprises a server which determines a level of trust of the communication operations; and
the level of trust determined by the server is transmitted to the terminal and displayed by the display thereof.

48. A system in accordance with claim 44 wherein:
the network comprises a server which determines a level of trust of the communication operations; and
the level of trust determined by the server is transmitted to the terminal and displayed by the display thereof.

49. A system in accordance with claim 45 wherein:
the network comprises a server which determines a level of trust of the communication operations; and
the level of trust determined by the server is transmitted to the terminal and displayed by the display thereof.

50. A system in accordance with claim 46 wherein:
the network comprises a server which determines a level of trust of the communication operations; and

56. A system in accordance with claim 43 wherein:

the network comprises a server and the terminal comprises a processor;

and

the server provides information about processing of the communication operations by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

57. A system in accordance with claim 44 wherein:

the network comprises a server and the terminal comprises a processor;

and

the server provides information about processing of the communication operations by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

58. A system in accordance with claim 45 wherein:

the network comprises a server and the terminal comprises a processor;

and

the server provides information about processing of the communication operations by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

59. A system in accordance with claim 46 wherein:

the network comprises a server and the terminal comprises a processor;

and

the server provides information about processing of the communication operations by the network to the processor and the processor in response to the information determines the level of trust which is displayed by the display.

60. A system in accordance with claim 47 wherein:

the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

61. A system in accordance with claim 60 wherein:

the level of trust is also at least in part dependent upon at least one addition attribute of the communication operation which is not related to technology of the network used in processing the communication operation.

62. A system in accordance with claim 61 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

63. A system in accordance with claim 48 wherein:

the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

64. A system in accordance with claim 63 wherein:

the level of trust is also at least in part dependent upon at least one addition attribute of the communication operation which is not related to technology of the network used in processing the communication operation.

65. A system in accordance with claim 64 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

66. A system in accordance with claim 49 wherein:

the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

67. A system in accordance with claim 66 wherein:

the level of trust is also at least in part dependent upon at least one addition attribute of the communication operation which is not related to technology of the network used in processing the communication operation.

68. A system in accordance with claim 67 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

69. A system in accordance with claim 50 wherein:

the server determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

70. A system in accordance with claim 69 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not related to technology of the network used in processing the communication operation.

71. A system in accordance with claim 70 wherein:

the at least one additional attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

72. A system in accordance with claim 56 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

73. A system in accordance with claim 72 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

74. A system in accordance with claim 73 wherein:

the at least one additional attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

75. A system in accordance with claim 57 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

76. A system in accordance with claim 76 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

77. A system in accordance with claim 76 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

78. A system in accordance with claim 58 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

79. A system in accordance with claim 78 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

80. A system in accordance with claim 79 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

81. A system in accordance with claim 59 wherein:

the processor determines a level of trust of each of the communication operations based at least in part on technology of the network associated with the network providing each communication operation.

82. A system in accordance with claim 81 wherein:

the level of trust is also at least in part dependent upon at least one additional attribute of the communication operation which is not dependent upon technology of the network associated with the network providing each communication operation.

83. A system in accordance with claim 82 wherein:

the at least one addition attribute is at least one of reliability of an operator of a server offering a service during the session through the browser to the user or commercial viability of an offer of service made to the user during the session through the browser.

84. A system in accordance with claim 43 wherein:

the display of the level of trust is a graphic presentation.

85. A system in accordance with claim 43 wherein:

the display of the level of trust is a numerical value.

86. A system comprising:
a terminal including a display;
a network including a server to which the terminal is coupled by a telecommunications link; and wherein
the server stores a certificate issued by a trusted third party containing a verified identity of the server or an organization responsible for the server and a secret key, the secret key and the certificate, being transmitted to the terminal and processed by the terminal to determine if the identify of the server may be displayed to a user of the terminal as being from a trusted source, the display containing at least one page containing frames and a display may be displayed indicating whether the frames are certified as being from a trusted source.

87. A system in accordance with claim 86 comprising:
at least one additional server, the at least one additional server providing at least one frame to the server; and
the server processes the at least one frame from the additional server and any frame provided by the server to form an integrated page containing the frames which is transmitted to the terminal and displayed by the display.

88. A system in accordance with claim 87 wherein:
the integrated page is displayed with the certificate of the server indicating that the integrated page is from a trusted source.

89. A method in a system comprising a terminal including a display, a network including a server to which the terminal is coupled by a telecommunications link, the method comprising:

storing with the server a certificate issued by a trusted third party containing a verified identity of the server or an organization responsible for the server and a secret key;

transmitting the certificate and the secret key to the terminal; and
processing at the terminal the certificate and the key to determine if the identity of the server may be displayed to the user of the terminal as being a trusted source; and

displaying with the display results of the processing.

90. A method in accordance with claim 89 wherein:

the network comprises at least one additional server;

the at least one additional server provides at least one page to the server;

and

the server processes the at least one page from the additional server and any page provided by the server to form an integrated page which is transmitted to the terminal and displayed by the display.

91. A method in accordance with claim 90 wherein:

the integrated page is displayed with the certificate of the server indicating that the integrated page is from a trusted source.

92. A mobile terminal comprising:

a user display; and

a browser which indicates on the user display a level of trust, based upon a standard of comparison of at least one communication operation involving the mobile terminal and a network coupled thereto, informing a user of a security level determined to be associated with the at least one communication operation.

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93. A mobile terminal in accordance with claim 92 wherein:
the display of the level of trust is at a selected portion of the user display.

94. In a mobile terminal having a processor and a user display, a program executable on the processor which is downloadable thereto from a network coupled to the mobile terminal, the program causing the user display to display a level of trust, based upon a standard of comparison of at least one communication operation involving the mobile terminal and a network coupled thereto, informing the user of a security level determined to be associated with the at least one communication operation.

95. A program executable on the processor in accordance with claim 9 wherein the program when executed causes the display of the level of trust at a selected portion of the user display.